

NANOFIBERS WITH MODIFIED
OPTICAL PROPERTIES
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Page 1 of 8

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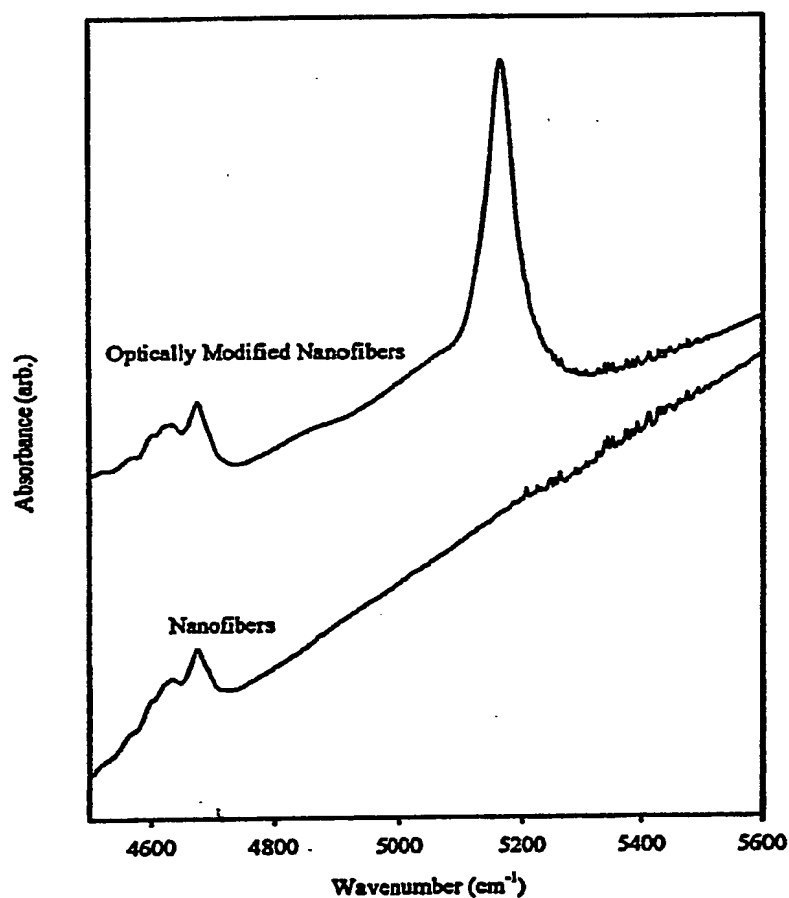


Figure 1: Absorption spectra demonstrating significant narrow-band modification of the optical properties of nanofibers by erbium. These spectra are in the range 2.2 – 1.8 μm .

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George W. Moxon II 330-376-2700
Express Mail Label No. EE068741473US
Page 2 of 8

Rec'd PCT/PTO 22 FEB 2005

10/525693

Absorption spectra of untreated, coated and doped PDPP fibers
with Er (III) nitrate.

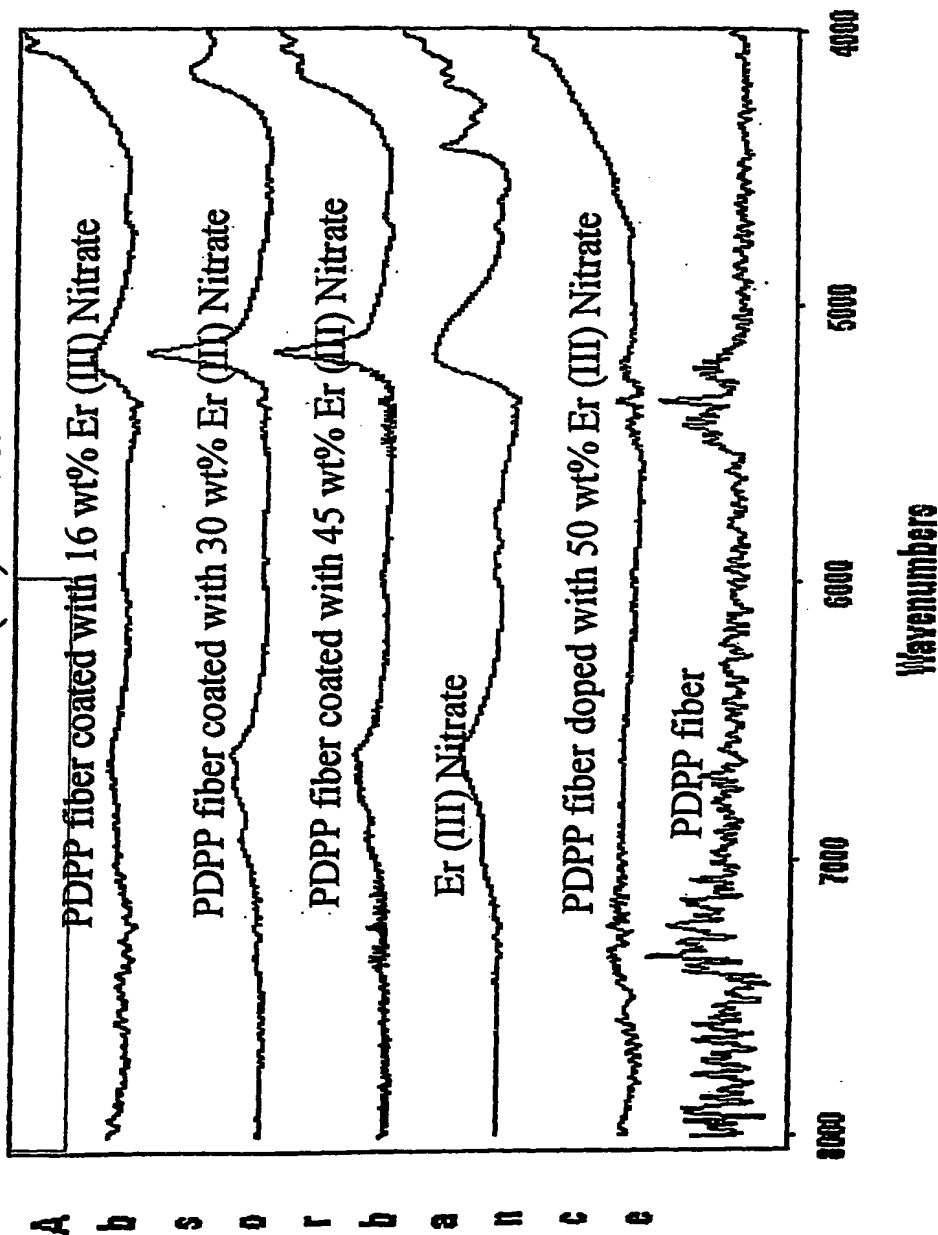


FIG 2

10/525 693

NANOFIBERS WITH DIFFERENT
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Page 3 of 8

FIG 3



Scanning Electron Microscope Image of PDPP Electrospun Nanofibers Coated with ErNO_3

10/525693

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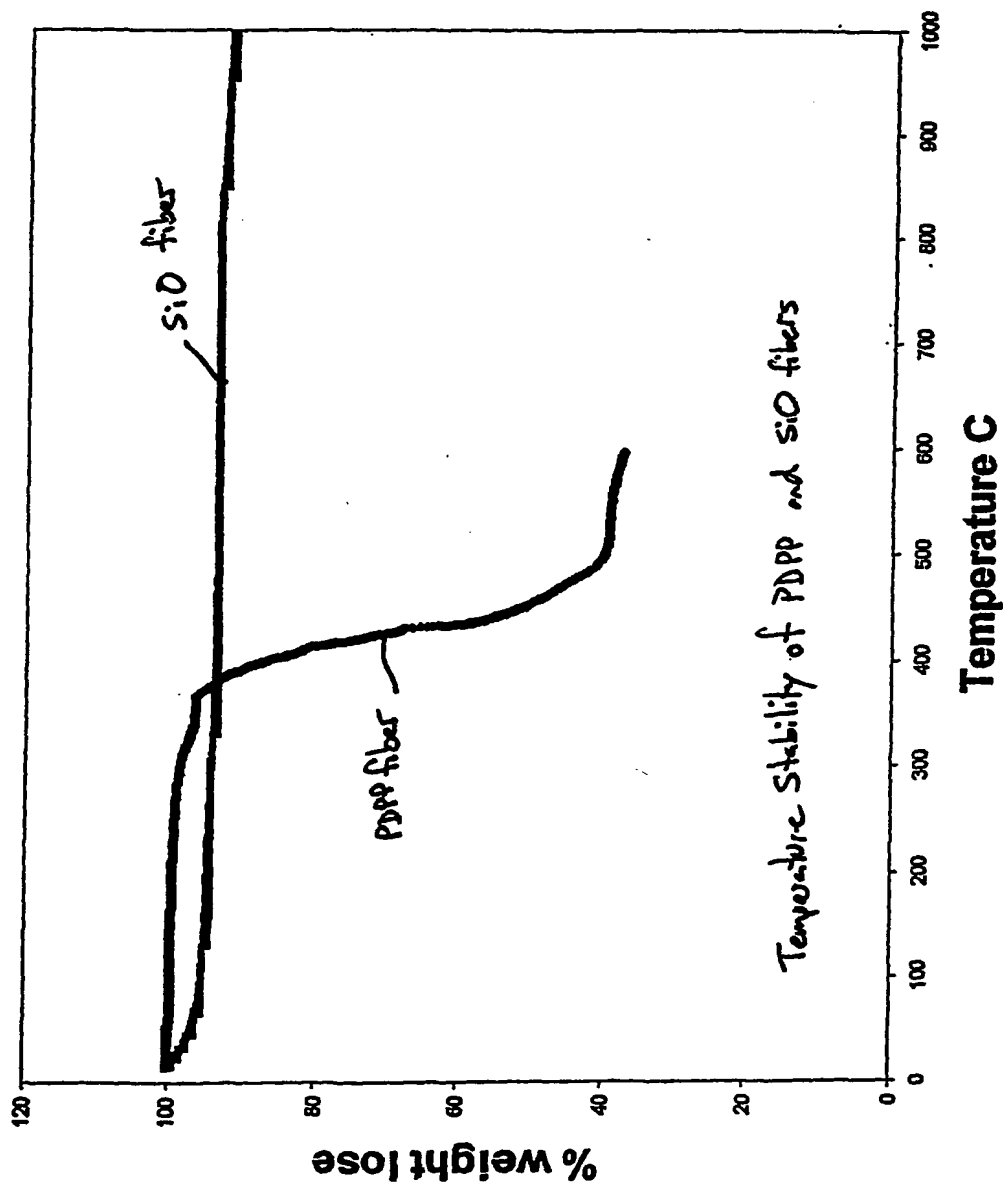
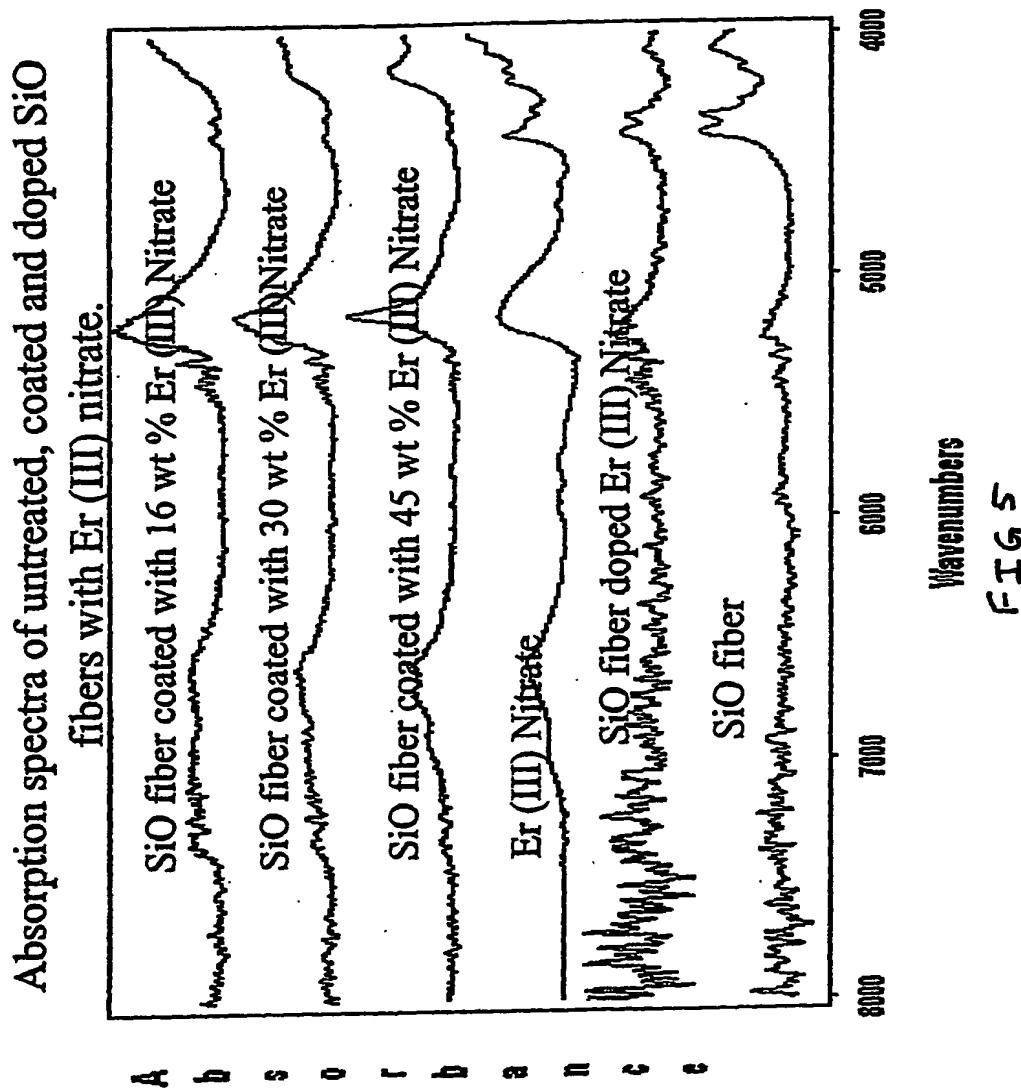


FIG 4

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Page 5 of 8

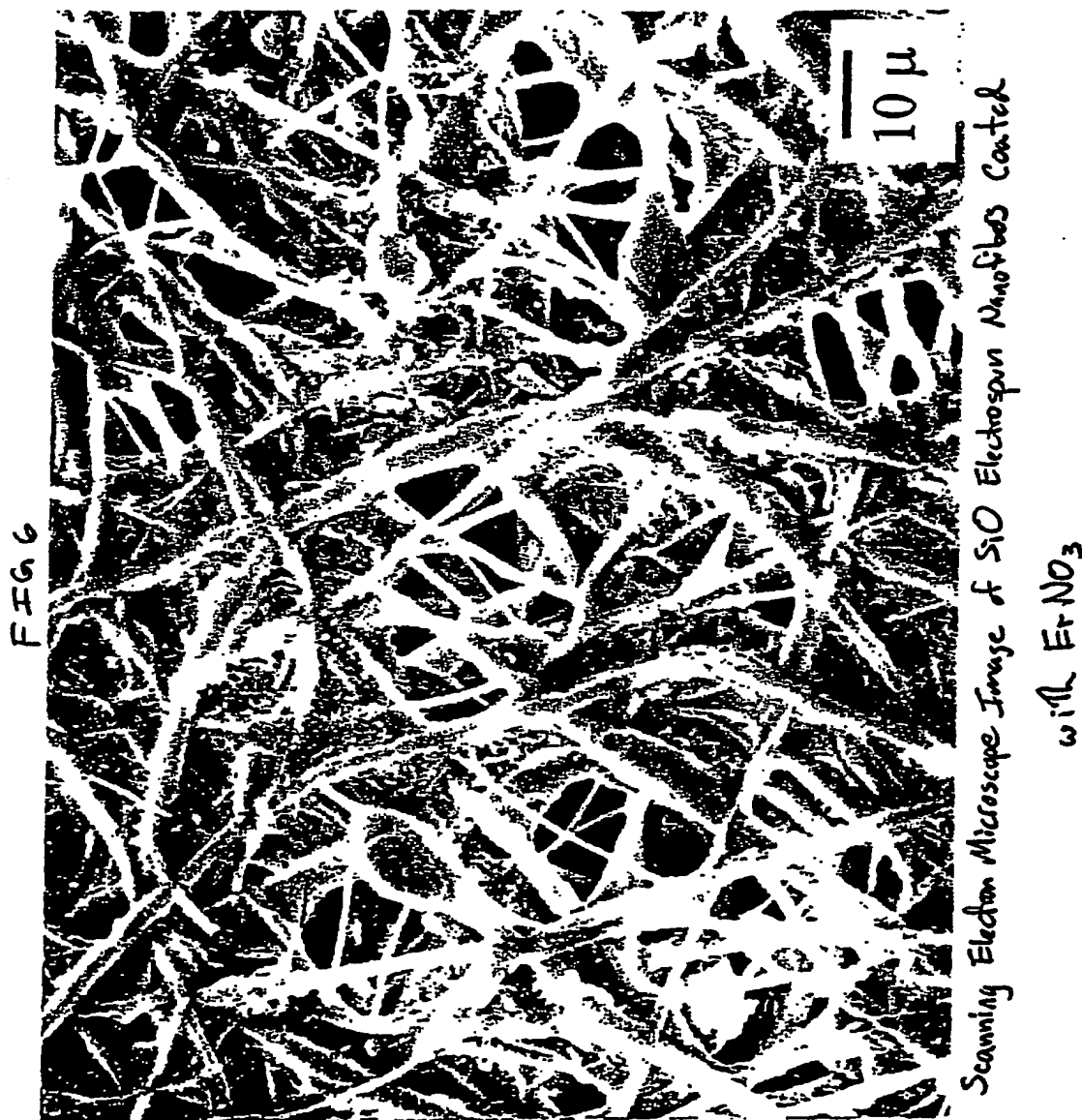
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Page 6 of 8

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10/525693

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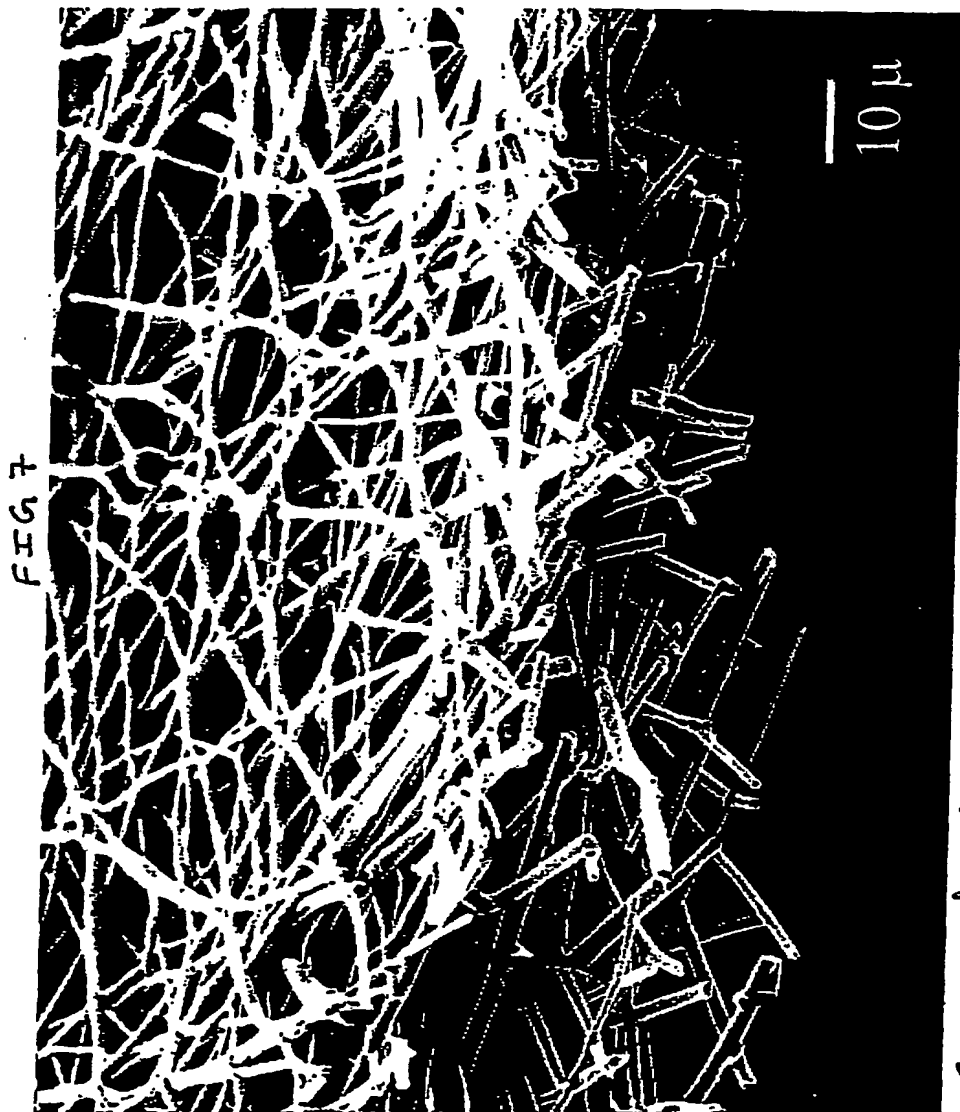
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Page 7 of 8



Scanning Electron Microscope Image of SiO₂ Electrospun NanoFibers
After Annealing to 800 °C

10/525693

NANOFIBERS WITH MODIFIED
OPTICAL PROPERTIES

George W. Moxon II 330-376-2700
Express Mail Label No. EE068741473US
Page 8 of 8

Rec'd PCT/PTO 22 FEB 2005

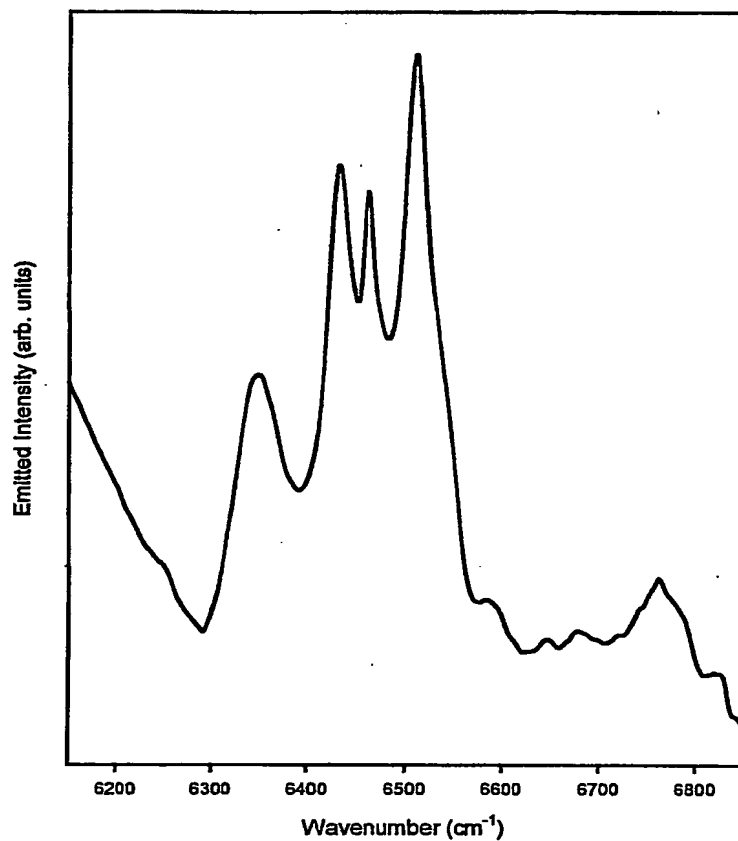


FIG. 8